

IN THE CLAIMS

1-22 (canceled)

23. (currently amended) A hair extension applicator, of the kind used to lengthen and/or thicken head hairs by applying additional hair extensions to natural hair, comprising:

a handle;

at least a fixed-jaw member and at least a mobile pressing member, the latter fixed member and mobile pressing member in opposition to each other and apt to receive therebetween a portion of head hair and one or more fixing elements of respective additional hair extensions, said fixed member being a rest for the fixing elements of the respective hair extensions, wherein the mobile pressing member is apt to move according to a bidirectional translational motion with respect to a guide for the pressing member, the guide being connected to the handle so that the bidirectional translational motion of the mobile pressing member is with respect to the handle; and

an actuation means of said at least a mobile pressing member, said at least a actuation means apt to control the bidirectional translational motion of the mobile pressing member; wherein the bidirectional translational motion of the mobile pressing member comprises the mobile pressing member moving toward and away from the fixed member;

wherein the mobile pressing member being controlled by said actuation means in a bidirectional translation motion to apply applies a pressure with respect to onto said at least a fixed-jaw member in response to the mobile pressing member moving toward the fixed member operating as contrast means to the action of said at least a pressing member; and a mobile pressing member acting on said fixed jaw member;

wherein the bidirectional translational motion of the mobile pressing member is controlled said mobile pressing member being controlled by a pneumatic device of said actuation means, the pneumatic device operating at a predetermined pressure, said fixed jaw member being a rest for fixing elements of extensions.

24. (currently amended) The applicator according to claim 23, wherein the actuation means comprises an actuation arm which is pivoted on the pressing member, to compensate for possible

differences in thickness of the head hair.

25. (currently amended) The applicator according to claim 23, wherein said fixed-jaw member comprises a resting plane.

26. (currently amended) The applicator according to claim 25, wherein, on both sides; of the resting plane is are equipped with a comb-like-means structure to align the receiving hair.

27. (currently amended) The applicator according to claim 23_25, wherein the mobile pressing member has a pressing plane formed on the end of a stem.

28. (currently amended) The applicator according to claim 23, having a body acting as handle and receives wherein said actuation means is located within the handle.

29. (currently amended) The applicator according to claim 27, having a body acting as handle and receives wherein said actuation means is located within a portion of the handle, wherein the resting plane and the pressing plane are substantially perpendicular to the body development the portion of the handle in which the actuation means is located, the an axis of the stem being coincident with the body development an axis of the portion of the handle in which the actuation means is located.

30. (currently amended) The applicator according to claim 23, wherein the pneumatic device comprises a simple-effect piston containing a plunger and a spring guaranteeing the a return of the plunger, the piston being powered by a central system through a duct, the central system being equipped with a system for adjusting said predetermined pressure.

31. (currently amended) The applicator according to claim 23, wherein the mobile pressing member has a pressing plane, at its own pressing plane; is heated at the pressing plane to activate the adhesion of fixing elements.

32. (currently amended) The applicator according to claim 31, wherein in the mobile pressing member has a thermistor ~~is received~~ located therein, the thermistor electrically powered by a central system at a predetermined voltage ~~thereupon~~ the upon which a temperature of the thermistor depends.

33. (currently amended) The applicator according to claim 23, wherein a control unit comprises a timer which, in response to a command button, determines ~~the carrying out of an~~ execution of a compression – heating – decompression cycle implementing that implements the joining a connection between the extensions and the head hair.

34. (currently amended) The applicator according to claim 23, which is assembled in a specific apparatus comprising an extensible and revolving arm ~~thereon~~ from which a supporting cable is appended, the cable supporting the applicator, said supporting cable being connected to a counter-weight system which virtually annuls the applicator weight for the operator.

35. (currently amended) The applicator according to claim 34, wherein a control unit comprises a timer which, in response to a command button, determines ~~the carrying out of an~~ execution of a compression – heating – decompression cycle implementing that implements the joining a connection between the extensions and the head hair, and wherein said apparatus comprises a base supporting said control unit ~~and which, wherein the base~~ is assembled on wheels.

36. (currently amended) The applicator according to claim 23, wherein, in opposition to said pressing member, the fixed-jaw member has a surface plate manufactured with elastically deformable material.

37. (currently amended) The applicator according to claim 24, wherein the actuation means comprises an electric motor ~~with its own driving~~ having a drive shaft, said actuation arm being mechanically engaged to said ~~driving~~ drive shaft to generate a translation motion.

38. (currently amended) The applicator according to claim 24, wherein the actuation arm is inserted in a slideway that limits the limits a stroke thereof of the actuation arm.

39. (currently amended) The applicator according to claim 23, wherein the pressing member is movably disposed within a recess of a jaw and moves out of the jaw as the pressing member moves toward the fixed member, wherein the return of the pressing member is guaranteed thanks to elastic members extended between the pressing member and the respective jaw act to return the pressing member into the recess.

40. (currently amended) The applicator according to claim 23, having activation means ~~ef~~ for the fixing elements of the additional hair extensions, comprising: the pressing member and a vibrating member able to transmit vibrations with substantially ultrasonic frequency which can melt, by intermolecular friction, a thermoplastic substance constituting a fixing element.

41. (currently amended) The applicator according to claim 40, wherein said second jaw fixed element operates as the vibrating member, being and is connected to said a vibration-generating means received inside the handle, in cooperation with the action of the pressing member.

42-44 (canceled)